www.vectorlabs.com
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Telephone: (650) 697-3600

AZDYE 568 TCO

SKU: CCT-1358



DESCRIPTION

AZDye™ 568 TCO reacts with tetrazines to produce a stable, covalent linkage, also referred to as the inverse-electron demand Diels-Alder cycloaddition reaction. This reaction is extremely fast ($k > 800\ M^{-1}\ s^{-1}$), selective, biocompatible, and does not require Cu-catalyst or elevated temperatures. Such excellent reaction rate constants are unparalleled by any other bioorthogonal reaction pair described to date.

AZDye™ 568 is a bright, and highly photostable, red-fluorescent probe optimally excited by the 532 nm or 568 nm laser line. This probe is water-soluble and its fluorescence is pH independent over a wide pH range. The brightness and photostability of blue dyes are best suited to direct imaging of low-abundance targets.

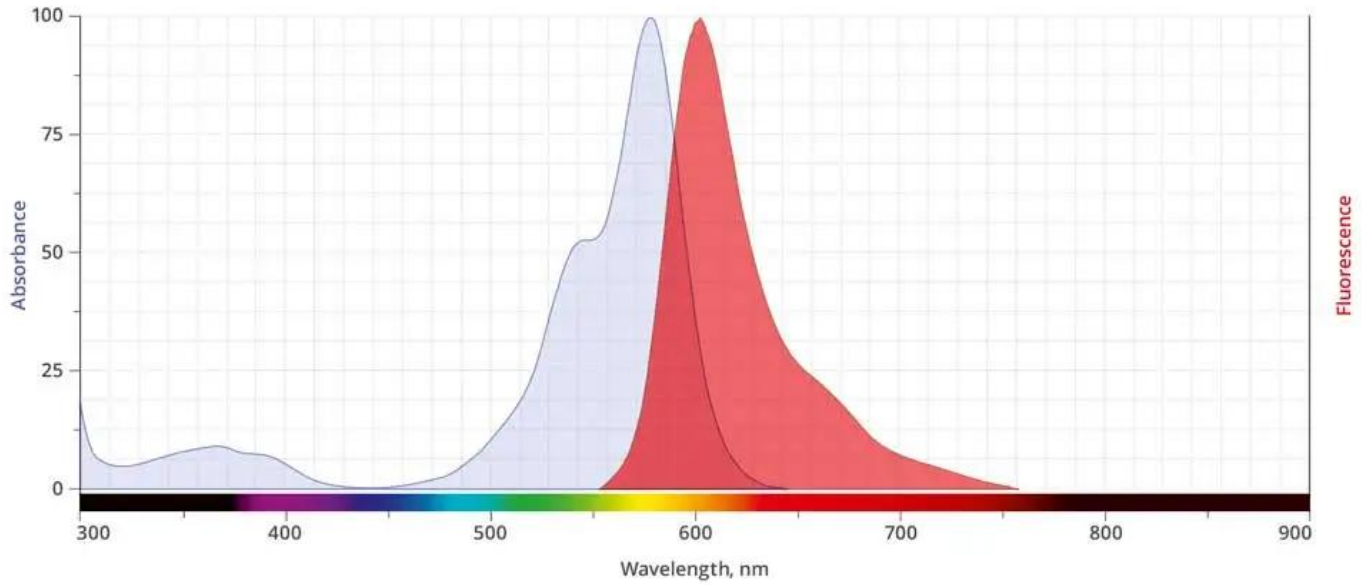
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SPECIFICATIONS

CAS Number	N/A
Molecular Weight	931.08
Appearance	Dark blue solid
Extinction Coefficient	88,000
Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water, DMSO, DMF, MeOH
Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Alexa Fluor® 568, CF™ 568
Excitation/Emission Maximum	578/602 nm
Shipping Conditions	Dry ice
Shipping Instructions	Dry ice

ABS/EM SPECTRA



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DOCUMENTS

- Safety Data Sheet
- Certificate of Analysis
- Datasheet

GALLERY IMAGES



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